1986 INDEX

Article	Month	Page
Cover photos		
Photo	**Month**	**Photographer**
Coral Gables Country Club, Fla., fire	Jan.	Robert B. Milnes
Boston high-rise fire	Feb.	Bill Noonan
Wildfire	March	Keith D. Cullom
Concrete truck extrication	Apr.	Bob Cross
Apparatus operator	May	Christopher Naum
U.S. fire fighter deaths	June	Fire Command
Fire in L.A. victorian building	July	Alan Simmons
Last Alarm	Aug.	Fire Command
House fire	Sept.	Keith D. Cullom
Miamisburg derailment	Oct.	Richard Ennis
Cerritos air disaster	Nov.	Gary Ferrato
Suspicious building fire	Dec.	Robert F. Stella
Columns		
The haz-mat problem	**Chief Warren E. Isman**	
Decision making	Jan.	7
Decontamination procedures	Feb.	22
Classification down under	Mar.	20
Hazardous materials reporting	Apr.	13
Fixed storage facilities	May	64
DOD changes	June	50
Inhalation risks	July	13
Pesticide labeling	Aug.	49
Pesticide labels—cont.	Sept.	48
Hazardous materials update	Oct.	51
Haz mat stats	Nov.	52
Haz mat stats—cont.	Dec.	47
Survival sense	**Theodore L. Jarboe**	
The critique	Apr.	51
Calling for help	June	52
Fire ground reconnaissance	Sept.	52
Fire service standards	**Robert C. Barr**	
The standards making system	Jan.	49
Public comment	Mar.	49
The final phase	May	62
Professional qualifications	July	40
Protective equipment	Oct.	53
Editorials	**Jerry W. Laughlin**	
On getting our house in order	Jan.	4
On cigarette smoking—continued	Feb.	4
On viewing a tragedy	Mar.	4
Notes between emergencies	Apr.	4
See you in court!	May	6
A "routine" residence fire	June	6
Five letters	July	4
Flashover	Aug.	5
How many drug users?	Sept.	7
Where there's Smoke	Oct.	4
Editorials	**Clinton H. Smoke**	
I relieve you, sir!	Nov.	4
Looking ahead	Dec.	4
Authors		
Angione, Charles Plastics warehouse fire	Jan.	38
Anthony, Donald F. Los Angeles Library fire	Oct.	26
Appleby, Gary F. Delayed en route	Feb.	18
Ballard, Gary Concrete truck, tractor-trailer pin driver of auto	Apr.	26
Bergmann, Lawrence H. Critical incident stress, part 1	Apr.	18
part 2	May	52
Bierwiler, Dave Press relations	Dec.	38
Blakeslee, Robert G. Keeping track of savings	Mar.	29
Bradish, Jay Pyridine spill	Jan.	21
Brenton, T. Max Combined arson investigation unit	Aug.	26
Brunacini, Alan Fire service future	Dec.	16
Butterworth, Lydia Bus crash	May	15
Bytner, Donald E. Do fire chiefs and fire fighters agree?	Aug.	24
Carter, Harry R. "An endangered species?"	June	39
Budget justification	Aug.	45
Cashman, John R. The Aurora difference: prevention	Jan.	13
Collins, Gary R. BLEVE in LPG storage yard	Sept.	18
Cooksey, Philip N. Motivate to educate!	Sept.	33
Cullom, Keith D. Wildfire!; forest fire shelters	Mar.	22
Project open fire safety house	Sept.	22
Czarnowski, Jerome A. Preparing air brakes	Mar.	36
Davis, Larry Rural fire fighting operations: tanker operations, part 4	Jan.	30
part 5	June	18
part 6	July	36
part 7	Sept	37
Dawidowicz, Sam Fishing boat explodes	Apr.	32
Dawson, Dr. Thomas W. The municipal fire chief	Aug.	36
Del Rio, Tony 'Real world' PASS devices	Nov.	16
Doan, Larry L. Plane crashes into electric lines	May	24
Donahue, Michael L. Fire scene examination and the Fourth Amendment	Sept.	30
Draxler, Douglas R. Fourteen hour flurry	Oct.	24
Dugan, James Physical fitness program	Feb.	40
Dyer, Bernard D. High-rise fire simulation	Feb.	37
Smoke detector giveaway	May	32
Eggert, James L. Chlorine Leak	Apr.	43
Fahy, Rita F. U.S. fire fighter deaths—1985	June	20
Floren, Terese M. Miamisburg derailment	Oct.	30
Foley, William F. New generation in ladder safety	July	21
Frost, Sidney W. Confidential fitness reports	Nov.	36
Garner, Roger Common car fire; uncommon hazards	Mar.	23
Gorman, Larry Packaging company fire	Dec.	40
Haggerty, John Computer on board, part 1	Apr.	30
part 2	Oct.	16
Hand, Bill Water problems at fire	Jan.	42
Harlow, David Staffing alternatives	Feb.	42
Harlow, David W. U.S. fire fighter deaths—1985	June	20
U.S. fire fighter injuries—1985	Nov.	23
Hines, Kenneth Hearing protection	June	40
Hughes, George M. Spending fire department money	Aug.	28
Isner, Michael S. NFPA investigation report: successful residential sprinkler activation	Jan.	22
NFPA summary investigation report: residential sprinkler activations—two more successes	May	38
Johnson, Stephen T. Turnouts: friend or foe?	June	17
Jones, Kenneth A., Jr. Fishing boat explodes	Apr.	32
Jones, Roy E. The efficient use of manpower	Mar.	33
Karter, Michael J., Jr. U.S. fire fighter injuries—1985	Nov.	23
Kaufman, George Similar fires: dissimilar outcomes	Nov.	47
Keebler, Richard A. Compressor on mobile air unit	July	28
Kipp, W. Douglas AIDS and SCBA	Jan.	17
Klem, Tom Prudential building fire	Mar.	14
Bradford, England, stadium fire	Apr.	21
Kyte, Greg NFPA summary investigation report: Bayview restaurant fire	Feb.	32
Prudential building fire	Mar.	14
NFPA investigation report: Rooming house fire	Dec.	18
Laughlin, Jerry Interview with Leo Stapleton	Mar.	15
Interview with George Paul	Mar.	16
Last Alarm—excerpts	Aug.	18
Lebel, Richard E. Preparing for high-rise fires	Aug.	40
Lemoff, Theodore NFPA summary investigation report: Bayview restaurant fire	Feb.	32
Lippart, Jack D. Top of head medical information	Apr.	50
Malo, Walter A. Fire prevention all adds up	Mar.	44
Malven, Fred "Design Not to Burn"	Sept.	39
McCamey, William P. Do fire chiefs and fire fighters agree?	Aug.	24
Menker, Robert E. Miamisburg derailment	Oct.	30
Mickelson, Alan "Design Not to Burn"	Sept.	39
Munroe, Dr. Henry W. Fire politics	Aug.	34
Murphy, John "A sheet of fire surrounded us"	July	14
Mutch, Robert W. 73 fire fighters survive in shelters	Mar.	30
Navarre, Ray Physical fitness program	Feb.	40
Neville, William M. Interview with	Dec.	22
Newsom, Mike Automating Indiana's incident reporting	Oct.	48
Oettinger, LeRoy Computer on board, part 1	Apr.	30
part 2	Oct.	16
Parker, Tim Avoid cylinder contamination	May	29
Patterson, William J. Sprinklers protect military		

1986 INDEX

Article	Month	Page
Cover photos		
Photo	**Month**	**Photographer**
Coral Gables Country Club, Fla., fire	Jan.	Robert B. Milnes
Boston high-rise fire	Feb.	Bill Noonan
Wildfire	March	Keith D. Cullom
Concrete truck extrication	Apr.	Bob Cross
Apparatus operator	May	Christopher Naum
U.S. fire fighter deaths	June	Fire Command
Fire in L.A. victorian building	July	Alan Simmons
Last Alarm	Aug.	Fire Command
House fire	Sept.	Keith D. Cullom
Miamisburg derailment	Oct.	Richard Ennis
Cerritos air disaster	Nov.	Gary Ferrato
Suspicious building fire	Dec.	Robert F. Stella
Columns		
The haz-mat problem	**Chief Warren E. Isman**	
Decision making	Jan.	7
Decontamination procedures	Feb.	22
Classification down under	Mar.	20
Hazardous materials reporting	Apr.	13
Fixed storage facilities	May	64
DOD changes	June	50
Inhalation risks	July	13
Pesticide labeling	Aug.	49
Pesticide labels—cont.	Sept.	48
Hazardous materials update	Oct.	51
Haz mat stats	Nov.	52
Haz mat stats—cont.	Dec.	47
Survival sense	**Theodore L. Jarboe**	
The critique	Apr.	51
Calling for help	June	52
Fire ground reconnaissance	Sept.	52
Fire service standards	**Robert C. Barr**	
The standards making system	Jan.	49
Public comment	Mar.	49
The final phase	May	62
Professional qualifications	July	40
Protective equipment	Oct.	53
Editorials	**Jerry W. Laughlin**	
On getting our house in order	Jan.	4
On cigarette smoking—continued	Feb.	4
On viewing a tragedy	Mar.	4
Notes between emergencies	Apr.	4
See you in court!	May	6
A "routine" residence fire	June	6
Five letters	July	4
Flashover	Aug.	5
How many drug users?	Sept.	7
Where there's Smoke	Oct.	4
Editorials	**Clinton H. Smoke**	
I relieve you, sir!	Nov.	4
Looking ahead	Dec.	4
Authors		
Angione, Charles Plastics warehouse fire	Jan.	38
Anthony, Donald F. Los Angeles Library fire	Oct.	26
Appleby, Gary F. Delayed en route	Feb.	18
Ballard, Gary Concrete truck, tractor-trailer pin driver of auto	Apr.	26
Bergmann, Lawrence H. Critical incident stress, part 1	Apr.	18
part 2	May	52
Bierwiler, Dave Press relations	Dec.	38
Blakeslee, Robert G. Keeping track of savings	Mar.	29
Bradish, Jay Pyridine spill	Jan.	21
Brenton, T. Max Combined arson investigation unit	Aug.	26
Brunacini, Alan Fire service future	Dec.	16
Butterworth, Lydia Bus crash	May	15
Bytner, Donald E. Do fire chiefs and fire fighters agree?	Aug.	24
Carter, Harry R. "An endangered species?"	June	39
Budget justification	Aug.	45
Cashman, John R. The Aurora difference: prevention	Jan.	13
Collins, Gary R. BLEVE in LPG storage yard	Sept.	18
Cooksey, Philip N. Motivate to educate!	Sept.	33
Cullom, Keith D. Wildfire!; forest fire shelters	Mar.	22
Project open fire safety house	Sept.	22
Czarnowski, Jerome A. Preparing air brakes	Mar.	36
Davis, Larry Rural fire fighting operations: tanker operations, part 4	Jan.	30
part 5	June	18
part 6	July	36
part 7	Sept	37
Dawidowicz, Sam Fishing boat explodes	Apr.	32
Dawson, Dr. Thomas W. The municipal fire chief	Aug.	36
Del Rio, Tony 'Real world' PASS devices	Nov.	16
Doan, Larry L. Plane crashes into electric lines	May	24
Donahue, Michael L. Fire scene examination and the Fourth Amendment	Sept.	30
Draxler, Douglas R. Fourteen hour flurry	Oct.	24
Dugan, James Physical fitness program	Feb.	40
Dyer, Bernard D. High-rise fire simulation	Feb.	37
Smoke detector giveaway	May	32
Eggert, James L. Chlorine Leak	Apr.	43
Fahy, Rita F. U.S. fire fighter deaths—1985	June	20
Floren, Terese M. Miamisburg derailment	Oct.	30
Foley, William F. New generation in ladder safety	July	21
Frost, Sidney W. Confidential fitness reports	Nov.	36
Garner, Roger Common car fire; uncommon hazards	Mar.	23
Gorman, Larry Packaging company fire	Dec.	40
Haggerty, John Computer on board, part 1	Apr.	30
part 2	Oct.	16
Hand, Bill Water problems at fire	Jan.	42
Harlow, David Staffing alternatives	Feb.	42
Harlow, David W. U.S. fire fighter deaths—1985	June	20
U.S. fire fighter injuries—1985	Nov.	23
Hines, Kenneth Hearing protection	June	40
Hughes, George M. Spending fire department money	Aug.	28
Isner, Michael S. NFPA investigation report: successful residential sprinkler activation	Jan.	22
NFPA summary investigation report: residential sprinkler activations—two more successes	May	38
Johnson, Stephen T. Turnouts: friend or foe?	June	17
Jones, Kenneth A., Jr. Fishing boat explodes	Apr.	32
Jones, Roy E. The efficient use of manpower	Mar.	33
Karter, Michael J., Jr. U.S. fire fighter injuries—1985	Nov.	23
Kaufman, George Similar fires: dissimilar outcomes	Nov.	47
Keebler, Richard A. Compressor on mobile air unit	July	28
Kipp, W. Douglas AIDS and SCBA	Jan.	17
Klem, Tom Prudential building fire	Mar.	14
Bradford, England, stadium fire	Apr.	21
Kyte, Greg NFPA summary investigation report: Bayview restaurant fire	Feb.	32
Prudential building fire	Mar.	14
NFPA investigation report: Rooming house fire	Dec.	18
Laughlin, Jerry Interview with Leo Stapleton	Mar.	15
Interview with George Paul	Mar.	16
Last Alarm—excerpts	Aug.	18
Lebel, Richard E. Preparing for high-rise fires	Aug.	40
Lemoff, Theodore NFPA summary investigation report: Bayview restaurant fire	Feb.	32
Lippart, Jack D. Top of head medical information	Apr.	50
Malo, Walter A. Fire prevention all adds up	Mar.	44
Malven, Fred "Design Not to Burn"	Sept.	39
McCamey, William P. Do fire chiefs and fire fighters agree?	Aug.	24
Menker, Robert E. Miamisburg derailment	Oct.	30
Mickelson, Alan "Design Not to Burn"	Sept.	39
Munroe, Dr. Henry W. Fire politics	Aug.	34
Murphy, John "A sheet of fire surrounded us"	July	14
Mutch, Robert W. 73 fire fighters survive in shelters	Mar.	30
Navarre, Ray Physical fitness program	Feb.	40
Neville, William M. Interview with	Dec.	22
Newsom, Mike Automating Indiana's incident reporting	Oct.	48
Oettinger, LeRoy Computer on board, part 1	Apr.	30
part 2	Oct.	16
Parker, Tim Avoid cylinder contamination	May	29
Patterson, William J. Sprinklers protect military		

1986 INDEX

Article	Month	Page
facility	June	49
Pepler, William H. Jr.		
Is there a F.E.A.T. in your future?	June	14
Pothier, James		
Arson school fire	Sept.	42
Queen, Timothy R.		
Critical incident stress, part 1	Apr.	18
part 2	May	52
Rakestraw, M. Russell		
Reflections on the death of a fire fighter	Apr.	14
Analysis of a fatal incident	Sept.	16
Ramirez, Bob		
Positive pressure ventilation	Dec.	34
Reed, Bill		
Color coding cylinders	Nov.	21
Restum, Ronald		
Preplanning successful outcomes	July	31
Richman, Harold		
Improving interior fire attack	July	16
Roberts, Bill		
Introducing the HVSRS	Apr.	36
Rohde, Michael		
Orange County's ready response	Feb.	26
Rothermel, Richard C.		
73 fire fighters survive in shelters	Mar.	30
Routley, J. Gordon		
NFPA standards address safety	Oct.	20
Rubin, Dennis L.		
'Real world' PASS devices	Nov.	16
Sadden, Michael A.		
"A sheet of fire surrounded us"	July	14
Sanders, Russell E.		
Master planning	Sept.	41
Schaenman, Philip S.		
Qs & As	Jan.	36
Schmitz, Jeanne		
Hotel employee training	Apr.	16
Silvi, E. Lee, Jr.		
Eliminating mutual aid confusion	Oct.	18
Smalley, James C.		
Underground storage tanks	Mar.	40
Cradle to grave hazardous waste	Sept.	34
Satellite broadcasting questions	Oct.	36
Steinberg, Roger K.		
Truck, train crash ignites lumberyard	July	24
Stookey, Scott A.		
Swift support of standpipe and sprinkler systems	May	46
Sukay, Lawrence		
Cerritos air disaster, part 1	Nov.	38
part 2	Dec.	31
Ward, Michael		
Leaking tanker closes beltway	Feb.	23
Washburn, Arthur E.		
U.S. fire fighter deaths—1985	June	20
U.S. fire fighter injuries—1985	Nov.	23
West, Peter D.		
Cave-in unit	Apr.	40
White, Gordon		
Handling hazardous materials—London style	Jan.	18
Whitehead, Jim		
Decontamination showers	May	58
Wilson, Michael R.		
PCB update	Jan.	33
Wozniak, John		
Fencing pliers	May	22
Building a better runbook	Oct.	38

Article	Month	Page
Administration		
Staffing alternatives	Feb.	42
Keeping track of what you save	Mar.	29
Company and platoon response	Mar.	33
Reflections on the death of a fire fighter	Apr.	14
Preplanning successful outcomes	July	31
Do fire chiefs and fire fighters agree?	Aug.	24
Combined arson investigation unit	Aug.	26
Spending fire department money	Aug.	28
Fire politics	Aug.	34
The municipal fire chief	Aug.	36
Budget justification	Aug.	45
Master planning	Sept.	41
Fire service future	Dec.	16
Press relations	Dec.	38
Apparatus/equipment		
Rural fire fighting operations: tanker operations, part 4	Jan.	30
part 5	June	18
part 6	July	36
part 7	Sept.	37
Preparing air brakes	Mar.	36
Introducing the HVSRS	Apr.	36
Fencing pliers	May	22
Avoid cylinder contamination	May	29
Swift support of standpipe and sprinkler systems	May	46
New generation in ladder safety	July	21
Compressor on mobile air unit	July	28
Spending fire department money	Aug.	28
Building a better runbook	Oct.	38
'Real world' PASS devices	Nov.	16
Color coding cylinders	Nov.	21
Arson		
Combined arson investigation unit	Aug.	26
Arson school fire	Sept.	42
Computers and communications		
Computer on board, part 1	Apr.	30
part 2	Oct.	16
Automating Indiana's incident reporting system	Oct.	48
Eliminating mutual aid confusion	Oct.	18
Satellite broadcasting questions	Oct.	36
Education and training		
Cave-in unit	Apr.	40
Do fire chiefs and fire fighters agree?	Aug.	24
Preparing for high-rise fires	Aug.	40
Fire scene examination and the Fourth Amendment	Sept.	30
Eliminating mutual aid confusion	Oct.	18
Neville interview	Dec.	22
Emergency medical services		
Bus crash	May	15
Explosions and disasters		
Fishing boat explodes	Apr.	32
"A sheet of fire surrounded us"	July	14
Last Alarm	Aug.	18
BLEVE in an LPG storage yard	Sept.	18
Fourteen hour flurry	Oct.	24
Cerritos air disaster, part 1	Nov.	38
part 2	Dec.	31
Extrications		
Concrete truck, tractor-trailer pin driver in auto	Apr.	26
Plane crashes into electric lines	May	24
Fire fighter fitness and safety		
AIDS and SCBA	Jan.	17
Delayed en route	Feb.	18
Physical fitness program	Feb.	40
73 fire fighters survive in shelters	Mar.	30
Critical incident stress	Apr.	18
part 2	May	52
Top of the head medical information	Apr.	50
Reflections on the death of a fire fighter	Apr.	14
Avoid cylinder contamination	May	29
Critical incident stress—part 2	May	52
Is there a F.E.A.T. in your future?	June	14
Turnouts: friend or foe?	June	17
Hearing protection	June	40
"A sheet of fire surrounded us"	July	14
New generation in ladder safety	July	21
NFPA standards address safety	Oct.	20
'Real world' PASS devices	Nov.	16
Confidential fitness reports	Nov.	36
Fire reports		
NFPA summary investigation report: Bayview restaurant fire	Feb.	32
NFPA preliminary investigation report: Prudential Building fire	Mar.	14
Wildfire!	Mar.	22
73 fire fighters survive in shelters	Mar.	30
Bradford, England, stadium fire	Apr.	21
"A sheet of fire surrounded us"	July	14
Truck, train crash ignites lumberyard	July	24
Last Alarm	Aug.	18
Analysis of a fatal incident	Sept.	16
Fourteen hour flurry	Oct.	24
L.A. Central Library fire	Oct.	26
Similar fires: dissimilar outcomes	Nov	47
Packaging company fire	Dec.	40
Hazardous materials		
The Aurora difference: prevention	Jan.	13
Handling hazardous materials—London style	Jan.	18
Pyridine spill	Jan.	21
PCB update	Jan.	33
Plastics warehouse fire	Jan.	38
Water problems at chemical fire	Jan.	42
Leaking tanker closes beltway	Feb.	23
Orange County's ready response	Feb.	26
Common car fire; uncommon hazards	Mar.	35
Underground storage tanks	Mar.	40
Chlorine leak	Apr.	43
Avoid cylinder contamination	May	29
Decontamination showers	May	58
Cradle to grave hazardous waste	Sept.	34
Miamisburg derailment	Oct.	30
NFPA reports		
Successful residential sprinkler activation	Jan.	22
Bayview restaurant fire	Feb.	32
Prudential Building fire	Mar.	14
Bradford, England, stadium fire	Apr.	21
Residential sprinkler activations—two more successes	May	38
U.S. fire fighter deaths—1985	June	20
New generation in ladder safety	July	21
Satellite broadcasting questions	Oct.	36
U.S. fire fighter injuries—1985	Nov.	22
Rooming house fire	Dec.	18
Operations		
High-rise fire simulation	Feb.	37
Improving interior attack	July	16
Preparing for high-rise fires	Aug.	40
Positive pressure ventilation	Dec.	34
Prevention/public education		
The Aurora difference: prevention	Jan.	13
Schaenman interview	Jan.	36
Fire prevention: it all adds up	Mar.	44
Hotel employee training program	Apr.	16
Smoke detector giveaway	May	32
Sprinklers protect military facility	June	49
Analysis of a fatal incident	Sept.	16
Post-fire open house	Sept.	22
Motivate to educate	Sept.	33
"Design Not to Burn"	Sept.	39
Similar fires: dissimilar outcomes	Nov.	47